

UNC Reg 525-6
CFC Reg 525-6
USFK Reg 525-6

HEADQUARTERS
UNITED NATIONS COMMAND
UNIT #15259
APO AP 96205-0032

HEADQUARTERS
ROK-US COMBINED FORCES COMMAND
UNIT #15255
APO AP 96205-0028

HEADQUARTERS
UNITED STATES FORCES, KOREA
UNIT #15237
APO AP 96205-0010

Regulation
Number 525-6

27 November 1995

SEE HARD COPY
FOR
THE KOREAN VERSION

Military Operations
ELECTROMAGNETIC INTERFERENCE (EMI) RESOLUTION PROGRAM
IN THE REPUBLIC OF KOREA (ROK)

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(Effective: 14 December 1995)
Military Operations
ELECTROMAGNETIC INTERFERENCE (EMI) RESOLUTION PROGRAM
IN THE REPUBLIC OF KOREA (ROK)

SUPPLEMENTATION. Issue of further supplements to this regulation by subordinate commands is prohibited unless prior approval is obtained from the Commander in Chief (CINC), UNC/CFC, ATTN: CFCD-PL-CW, Unit #15255, APO AP 96205-0028.

INTERNAL CONTROL PROVISIONS. This regulation does not contain management control provisions.

1. PURPOSE. To establish policies and procedures for reporting and evaluating incidents of EMI during armistice and war within the ROK.

2. APPLICABILITY. This regulation applies to all divisions offices, and subordinates of Headquarters (HQ), United Nations Command (UNC), ROK-U.S. Combined Forces Command (CFC) forces, including all component commands and subordinate units. It also applies to all divisions, offices and subordinates of HQ, United States Forces, Korea (USFK), regardless of service component, operating in CINC UNC/CFC approved area of operations as defined in UNC/CFC Reg 525-4.

3. REFERENCES.

a. Required publication. UNC/CFC Reg 525-4 (S-R) (UNC/CFC Rules of Engagement (ROE) (U)). Cited in paragraph 2.

*This regulation supersedes UNC/CFC/USFK Reg 525-6, 15 November 1990.

b. Related publications.

(1) UNC/CFC and USFK/EUSA Communications-Electronics Operation-Instructions/Signal Operation Instructions (CEOI/SOIs).

(2) UNC/CFC/USFK Command and Control Warfare (C²W) Handbook.

(3) NTP-6(D) (Spectrum Management).

(4) Air Force Instruction 10-707 (Spectrum Interference Resolution Program).

4. EXPLANATION OF ABBREVIATIONS AND SPECIAL TERMS. Abbreviations and special terms used in this regulation are explained in the glossary.

5. RESPONSIBILITIES.

a. Persons experiencing EMI activity will--

(1) Take action immediately to minimize the effects of the EMI using available electronic protection techniques.

(2) Obtain a tape recording of the EMI signal, when possible.

(3) Obtain, when possible, lines of bearing to the suspected source of the EMI.

(4) Report the incident according to the procedures in paragraph 8.

b. Unit commanders will--

(1) Indoctrinate/train personnel to ensure they understand all aspects of the UNC/CFC/USFK EMI Resolution Program and their reporting responsibilities.

(2) Conduct local evaluations and investigations of suspected EMI.

(3) Establish procedures for obtaining tape recordings of EMI signals.

(4) Establish procedures for obtaining lines of bearing (if possible) to the suspected source of the EMI signal.

(5) Submit and/or forward EMI reports as required (see para 8).

(6) Ensure only authorized frequencies are used at location. Verify through local point of contact for frequency management.

c. The Assistant Chief of Staff (ACofS), CJ3, through the ROK-U.S. CFC, CJ3 Plans Division, C²W Branch (CFCD-PL-CW), will--

(1) Manage the UNC/CFC/USFK EMI Resolution Program.

(2) Monitor and evaluate EMI incidents.

(3) Request assistance from, and coordinate with, the USFK Joint Frequency Management Office (JFMO), CFC C2, and C6 offices, and the Joint Spectrum Center to identify and locate intentional and/or persistent EMI sources.

(4) Prepare Korean theater EMI advisory reports on significant EMI incidents.

(5) Readdress and/or retransmit ROK-generated EMI reports, as appropriate, to concerned U.S. agencies.

d. The USFK JFMO will--

(1) Assist CJ3 in EMI evaluations with respect to friendly electronic equipment characteristics, interference sources, frequency conflicts, and other possible electromagnetic considerations or peculiarities.

(2) Establish procedures to assist CJ2 and CJ3 in the investigation of persistent EMI incidents.

e. The ACoS, CJ2, will--

(1) Assist CJ3 with EMI analyses and evaluations with respect to possible hostile, intentional EMI sources, capabilities, and activities.

(2) Task appropriate intelligence collection and production assets (in coordination with JFMO) to identify and locate suspected hostile, intentional EMI.

(3) Establish procedures to assist CJ3 in the investigation of persistent EMI incidents.

6. OBJECTIVES.

a. Establish and maintain procedures for reporting EMI incidents.

b. Analyze reported EMI incidents to--

(1) Determine the extent of radio frequency interference problems and, if required, provide documentation in order to modify operating procedures.

(2) Distinguish unintentional interference and equipment malfunctions from intentionally disruptive (hostile/nonhostile) electromagnetic interference actions.

(3) Provide input to UNC/CFC/USFK intelligence and operations organizations to aid them in determining foreign and/or hostile electromagnetic capabilities.

- (4) Tabulate statistics that may be used as indications of hostile intentions.
- (5) Identify and locate suspected intentionally disruptive, (hostile/nonhostile) EMI sources.
- (6) Determine trends in intentionally disruptive (hostile/nonhostile) EMI activities.

c. Establish and maintain an EMI file for comparative analysis and trends.

d. Distribute reports on evaluated persistent EMI incidents to provide a basis for electronic protective measures at proper command levels.

7. PROCEDURES.

a. The focus of the UNC/CFC/USFK EMI Resolution Program is to resolve EMI at the lowest level. A unit affected by EMI must immediately conduct an investigation (within the unit's capabilities) to identify the source(s). When the EMI source(s) cannot be readily identified and eliminated, the affected unit should report the EMI event in accordance with procedures outlined in this regulation.

b. The EMI from frequency assignment problems. When the EMI clearly resulted from problems in assigning a frequency, contact JFMO, through command frequency management channels, for assistance. Do not go directly to the ROK Ministry of Information and Communications (MIC). Combined/joint-owned equipment may cause EMI that may appear to originate from a non-government/military source. The JFMO personnel will coordinate with the MIC or other government agencies if their investigation indicates non-combined/joint forces equipment may have caused the EMI.

8. EMI REPORTS.

a. Initial report. Submit an EMI report if the EMI is believed to be a serious and/or persistent EMI incident. A serious incident is one believed to be hazardous to safety, operations, and/or navigation. Serious incidents shall be reported within 12 hours of the EMI incident to the CJ3 Plans Division, C²W Branch, Electronic Warfare Officer (EWO), ROK Joint Chief of Staff C²W Branch, and the JFMO Korea. The C3 Plans Division EWO can be contacted by telephone, FAX or by IMMEDIATE precedence electronic message (see procedures in paras 12 and 13). If the EMI incident is not believed to be serious (but is persistent and cannot be resolved locally), any method of reporting the incident within 24 hours is authorized. (**NOTE:** Electronic messages will be at PRIORITY or ROUTINE precedence level). Classify reports in accordance with procedures described in paragraph 9 (include caveat RELROK or ROKUS whenever possible).

b. Supplemental or follow-on reports. Submit supplemental reports when you need to add to or modify information previously submitted. Include the date-time-group of the initial report and any previous supplemental reports. Send these reports to the same addressees as the initial report.

c. Closing reports. Issue a closing report (if necessary) when the EMI incident is resolved or requires no further action.

9. SECURITY CLASSIFICATION OF EMI REPORTS. Units must evaluate the security sensitivity of the EMI-affected system(s) and classify the report accordingly. Units that judge EMI to be interference from a nonhostile source should not classify EMI reports unless such a report would reveal a system vulnerability. Units located in combat areas, or having a sensitive military mission, must classify every interference report. For space systems EMI, classify the number with type of satellite, or defense object number as secret. Remember, whenever possible, caveat the EMI reports RELROK or ROKUS.

10. EXCEPTIONS TO REPORTING. Do not report an incident to the CJ3 Plans Division, C²W Branch when--

a. On occasion, the U.S. Military Affiliate Radio System (MARS) stations experience interference. Civilian MARS stations must follow the reporting procedures and channels found in MARS directives.

NOTE: Notify USFK JFMO. The JFMO may be able to resolve the problem.

b. The interference is transient EMI from natural sources (for example, rain, solar activity, lightning, etc.).

c. The interference only affects training frequencies assigned on a noninterference basis for training purposes.

11. REPORT FORMAT. Include the following information in the EMI report:

- Unit(s) experiencing EMI.
- The frequencies of the system experiencing the EMI.
- The location of the system.
- The system function, name, nomenclature, manufacturer with model number or other system description.
- The operating mode of the system, if applicable (frequency agile, pulse doppler, search, etc.).
- The description of the interference (noise, pulsed, continuous, intermittent, etc.).
- The effect of interference on performance (reduced range, false targets, reduced intelligibility, data errors, etc.).
- The dates and time of interference.

- The location of the interference source (coordinates or line of bearing, if known, otherwise state as unknown).

- A list of other units also receiving the interference (if known) and their location or distance and bearing from your location.

- A clear, concise narrative summary on what you know about the EMI and what local actions have been taken to resolve the problem.

- Whether or not you want (or expect) technical assistance. If you need technical assistance say what the security clearance requirements for the team are and what the impact is on the mission.

- A point of contact, giving name, Defense Switched Network and commercial telephone numbers, and duty hours.

12. EMI REPORTING BY TELEPHONE/FAX.

a. Armistice.

(1) CJ3 Plans Div, C²W Branch (normal duty hours).

U.S.: Secure (STU-III) Phone: 723-5313/FAX: 723-7211

ROK: Nonsecure Phone: 723-5323, 723-5322

(2) CJ3 Command Center (after normal duty hours).

U.S.: Secure (STU-III) and/or Nonsecure Phone: 723-8283

U.S. Secure (STU III) FAX: 724-2152

U.S. Nonsecure FAX: 723-3018

ROK: Nonsecure Phone: 723-8881, 723-8882

b. Exercise/Contingencies/war. CJ3 Plans Div, CP TANGO.

ROK/U.S.: Secure (STU-III)/Nonsecure Phone/FAX: 742-4275

13. EMI REPORTING BY ELECTRONIC MESSAGE. Each UNC/CFC/USFK unit must submit reports through its chain of command. Listed below are the minimum addressee requirements. Others may be included as necessary.

a. In Armistice, ROK organizations submit reports to--

TO: CINCCFC SEOUL KOR//CFCD-PL-CW/CFCB-IP//
JFMO KOREA SEOUL KOR

INFO: ROK JCS SEOUL KOR//J3-EW DIV//
INTERMEDIATE HEADQUARTERS

b. In Armistice, U.S. organizations submit reports to--

TO: CINCCFC SEOUL KOR//CFCD-PL-CW/CFCB-IP//
JFMO KOREA SEOUL KOR
INFO: USCINCPAC HONOLULU HI//J315//
CDR501STMIBDE SEOUL KOR//IABDK-PO-MM//
JSC ANNAPOLIS MD//CJ/JSIR//
607ACOMS OSAN AB KOR//SCXX//
607COS OSAN AB KOR//DOOE//
INTERMEDIATE HEADQUARTERS

c. Exercise/Contingency/Wartime (ROK and U.S.)

TO: CINCCFC SEOUL KOR//CFCD-PL-CW/CFCB-IP//
CINCCFC CP TANGO KOR//CFCD-PL-CW/CFCB-IP//
INFO: USCINCPAC HONOLULU HI//J315//
ROK JCS SEOUL KOR //J3-EW DIV//
CDR501STMIBDE SEOUL KOR//IABDK-PO-MM//
JSC ANNAPOLIS MD//CJ/JSIR//
BCE OSAN AB KOR
607ACOMS OSAN AB KOR//SCXX// (USAF units only)
607COS OSAN AB KOR//DOOE// (U.S. air units only)
KAIS TACC OSAN AB KOR//CIAD-A/COID/DOO//
INTERMEDIATE HEADQUARTERS

The proponent of this regulation is the Office of the Assistant Chief of Staff, C3. Users are invited to send comments and suggested improvement on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander in Chief, UNC/CFC, ATTN: CFCD-PL-CW, Unit #15255, APO AP 96205-0028.

FOR THE COMMANDER IN CHIEF, UNC/CFC, AND THE COMMANDER, USFK:

OFFICIAL:

RICHARD F. TIMMONS
Lieutenant General, USA
Chief of Staff, UNC/CFC/USFK

//ORIGINAL SIGNED BY//
JUNG, HO-CHUL
Colonel, ROKA
Adjutant General, UNC/CFC

//ORIGINAL SIGNED BY//
DONALD J. HENDRIX
Lieutenant Colonel, USA
Assistant Adjutant General

Glossary

SPECIAL DISTRIBUTION:

25 - CFCD-PL-CW	2 - CSCT #3 96205-0040
2 - SCJS	2 - USCINCPACFLT 96860-7000
4 - USAFK/7AF 96570-0007	15 - 1st Signal Bde
2 - USNFK	15 - 501st MI Bde
3 - JUSMAG-K	1 - AFKN
1 - NCRKOR	1 - 19th MP Det (CID/TSE)
1 - UNCMAC	20 - ROK TRADOC
2 - EAIG	1 - DCA-K
2 - UNCMAC Secretariat	100 - SROKA
5 - C2	15 - 9125th MND
1 - CFJA	2 - UNC Security Battalion
5 - C3	1 - HQ UNC, Rear, Japan
5 - C5	120 - FROKA
5 - C6	25 - ROK JCS
1 - USTRANSCOM LNO	10 - HQ ROKA
1 - CFPA	10 - HQ ROKN
2 - CFOA	2 - 8TFW 96264-5000
10 - ACC	1 - U.S. Joint Staff/J38 20318-3000
45 - NCC	4 - COMSEVENTHFLT 96601-6003
1 - FKJA	10 - CMFC
2 - Spec Adv UNCMAC	30 - ROK Marine Corps
5 - FKJ2	2 - HQ ACC/PJ 96278
2 - Spec Adv CINCUNC	5 - SUSLAK 96205-0073
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1 - Provost Marshal	2 - HQ 5AF 96328-5000
10 - HQ ROKAF	2 - CG, III MEF 96606-5000
15 - 2ID 96224-0289	100 - ROKAF CAC
1 - 8th PERSCOM	2 - HQ 3AD 96853-5001
1 - 8th MP Bde 96205	2 - HQ 15AF 92518-5000
2 - Joint Command and Control Warfare Center 78243-7886	1 - 3AD LNO (OLOS) 96570
11 - 34th SG	2 - 303rd IS 96278-2086
2 - CSCT #2 96218	2 - HQ Air Intelligence Agency 78242-5000

GLOSSARY

Section I. ABBREVIATIONS

ACofS	Assistant Chief of Staff
C ² W	Command and Control Warfare
CFC	Combined Forces Command
CINC	Commander in Chief
EMI	electromagnetic interference
EW	electronic warfare
EWO	Electronic Warfare Officer
HQ	headquarters
JFMO	Joint Frequency Management Office
MARS	Military Affiliated Radio System
MIC	ministry of Information and Communications
RELROK	Releasable to Republic of Korea
ROK	Republic of Korea
UNC	United Nations Command
U.S.	United States (of America)
USFK	United States Forces, Korea

Section II. TERMS

Electromagnetic interference. Also called EMI. Any electromagnetic interference disturbance that interrupts, obstructs, or otherwise degrades or limits the effective performance of electronic or electrical equipment. It can be intentional, as in some forms of EA, or unintentional, as a result of spurious emissions and responses, different units operating on the same frequency.

Electromagnetic jamming. The deliberate radiation, reradiation, or reflection of electromagnetic energy for the purpose of preventing or reducing the enemy's effective use of the electromagnetic spectrum with the intent of degrading or neutralizing the enemy's combat capability.